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IN REPLY REFER TO
OPNAVINST 9010.335
OP-03C
24 FEB 1987

OPNAV INSTRUCTION 9010.335

From: Chief of Naval Operations

Subj: WARFIGHTING IMPROVEMENT PLAN (WIP) DEVELOPMENT

Ref: (a) OPNAVINST 4720.2E (NOTAL)
(b) OPNAVINST 9010.300A (NOTAL)
(c) NAVSEA Technical Specification 9090-900 of 26 Aug 86 (NOTAL)
(d) Surface Ship Combat System Master Plan (SSCSMP) (NOTAL)
(e) Surface Warfare Plan (NOTAL)
(f) OPNAVINST 5420.2N (NOTAL)
(g) DONPIC memo Ser 902C/5U324896 of 25 Oct 85 (NOTAL)

Encl: (1) Warfighting Improvement Plan (WIP) Format
(2) WIP Development and Approval

1. Purpose. To provide procedures for the orderly planning and approval of changes to ship characteristics for ships in the Fleet Modernization Program (FMP).

2. Background. In 1982, the Naval Sea Systems Command (NAVSEA) presented fourteen initiatives to the Chief of Naval Operations Executive Board (CEB) with the goal of improving the FMP, reference (a). One of these initiatives, Class Improvement Plans (CIP), was proposed as a single document to identify the planned configuration of a ship class and document the increments to achieve that configuration in terms of availabilities and coordinated Alteration Packages (AP). CIPs have evolved over the past several years into the Warfighting Improvement Plans (WIP) which are used by the Ship Characteristics and Improvement Board (SCIB) as the controlling ship characteristics document after fleet introduction. Prior to fleet introduction, ship characteristics are developed and controlled under reference (b).

3. Discussion

a. The objective of the WIP is to cost-effectively coordinate and prioritize the installation of alterations that correct the warfighting deficiencies of the ship class, thereby reducing installation time and cost. The WIP identifies all of the future alterations of a ship class, assembles them into APs to be done at the same time, and schedules their accomplishment during a ship's scheduled availability periods (i.e., Ship Restricted Availability (SRA), Phased Maintenance Availabilities (PMA), Regular Overhauls (ROH)). The general format for the WIP is shown in enclosure (1). Greater detail can be found in the NAVSEA Class Warfighting Improvement Plan Technical Specification, reference (c).

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b. There are three categories of ship configurations described in the WIP for surface ships: the baseline configuration; the WIP configuration; and the future configuration.

(1) Baseline Configuration - This is the official description of the ship class consisting of the Top Level Requirements (TLR), as delivered, plus any alterations affecting the ship characteristics (i.e., military improvements) that have been installed or are programmed for installation during the baseline year. The baseline configuration of a surface ship's combat system is the Existing Baseline for the ship class contained in reference (d). For submarines the combat system configuration is maintained by the platform sponsor.

(2) WIP Configuration - This is the planned configuration after the next major upgrade and is the configuration which is reviewed by the SCIB and reflected in the WIP. This configuration represents the platform sponsor's best attempt within technical and fiscal constraints to correct ship and combat system deficiencies in the priority warfare areas identified by the Director of Naval Warfare (OP-095). It reflects the Baseline 1 configuration contained in the SSCSMP.

(3) Future Configuration - This configuration is a list of proposed upgrades and capabilities which have been identified as necessary to correct warfighting deficiencies for the class. Some items listed for the future configuration result from platform deficiencies for which no equipment or system currently exist or for which the system or equipment is not yet approved through the R&D and acquisition process. The future configuration may also contain items that are not currently included in the WIP due to cost or technical constraints, but are being retained for future consideration. It reflects, but is not limited to, the SSCSMP Baseline 2 combat system upgrades and long range warfare requirements contained in the Surface Warfare Plan, reference (e).

c. Submarine WIP development while similar to that of surface ships will vary in content and structure. Development requirements for submarine WIPs will be provided by the OP-02 sponsor.

4. Policy. The goal is for all ship classes currently included in the FMP to have an approved WIP developed under the procedures of this instruction. Changes to ship characteristics will be documented and approved by the WIP. The Chief of Naval Operations sponsor will designate ship classes for inclusion in the program based on priority of warfighting deficiency correction and considerations such as expected remaining service life.

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5. Procedure. Enclosure (2) contains an overview of the development and approval process for WIPs. The process defines the planning steps required to correct warfighting deficiencies as follows:

a. The ship sponsor provides the following information to OP-095 for each class:

(1) Mission statement.

(2) Required Operational Capabilities (ROC) and Projected Operational Environment (POE) instruction.

(3) Baseline configuration (as defined above and validated by the platform sponsor).

(4) Threat assessment (as provided by the Director of Naval Intelligence, OP-009).

b. OP-095 receives this information and sets the warfighting priorities by mission area for each ship class and then lists the warfighting deficiencies of the ship class against the projected future threats.

c. The platform sponsor will work closely with Commander, Space and Naval Warfare Systems Command (SPAWAR) and NAVSEA to develop WIP configuration options that address the warfighting deficiencies, as well as other technical affordability issues. SPAWAR and NAVSEA will define capabilities required to correct the identified deficiencies. NAVSEA will also perform the systems engineering to assemble the individual alterations into APs. NAVSEA will assist the platform sponsor in preparing a WIP SCIB briefing package. The WIP SCIB briefing package will contain WIP configuration options consistent with the prioritized warfighting deficiencies and fiscal limitations.

d. The platform sponsor will present the WIP briefing to the SCIB working group for review. When the SCIB working group agrees, the platform sponsor will brief the WIP package to the SCIB in accordance with procedures contained in reference (f). The SCIB recommends approval, disapproval or alternative courses of action.

e. If the SCIB concurs with the recommended program or makes only minor changes, an approval letter will be forwarded to the Chief of Naval Operations (CNO) for signature. Upon CNO approval, NAVSEA and the OPNAV sponsor will forward a signed Program Management Plan (PMP), via OP-090, for CNO approval and submittal to Secretary of the Navy (SECNAV). The PMP process, as described in reference (g), will apply to all WIPs.

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f. WIPs are reviewed annually by the platform sponsor. Any changes that affect ship characteristics will be presented to the SCIB for approval.

6. Action

a. OP-009 will provide to the platform sponsor an assessment of the projected threat for each designated ship class.

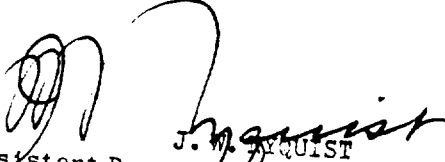
b. OP-095 will set warfighting priorities by mission area for each ship class designated for WIP development and determine warfighting deficiencies based on the intended employment of the ship class to counter the projected threat.

c. Platform Sponsor will initiate the WIP by providing to OP-095 the mission statement, ROC/POE instruction, threat assessment, and baseline configuration. Using the warfare priorities and deficiency requirements produced by OP-095, task SPAWAR and NAVSEA, and work with them, to prepare various warfighting improvement options for the ship class and present them to the SCIB for review and selection of the preferred option. Document the results and forward to CNO for approval.

d. SPAWAR will define the capabilities required to correct identified deficiencies.

e. NAVSEA will define the capabilities required to correct identified deficiencies. Develop, engineer and integrate combat systems and HM&E alterations. Determine impacts on ship characteristics, ship systems, personnel training requirements, and manpower requirements.

7. Nuclear Propulsion. No part of this instruction shall change existing responsibilities for determination of requirements, design, specifications, installations or testing of nuclear propulsion plants.


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WARFIGHTING IMPROVEMENT PLAN (WIP) FORMAT

Reference: Class Warfighting Improvement Plan (WIP) Technical
Specification, NAVSEA 9090-900 of 26 Aug 86

PART I Executive Summary

1. Abstract
2. Overview

Part II Supporting Documentation and Implementation Plan

1. Introduction
2. Alteration Package Descriptions and Impacts
3. Total Ship Impact Summary*
4. Class Implementation Plan

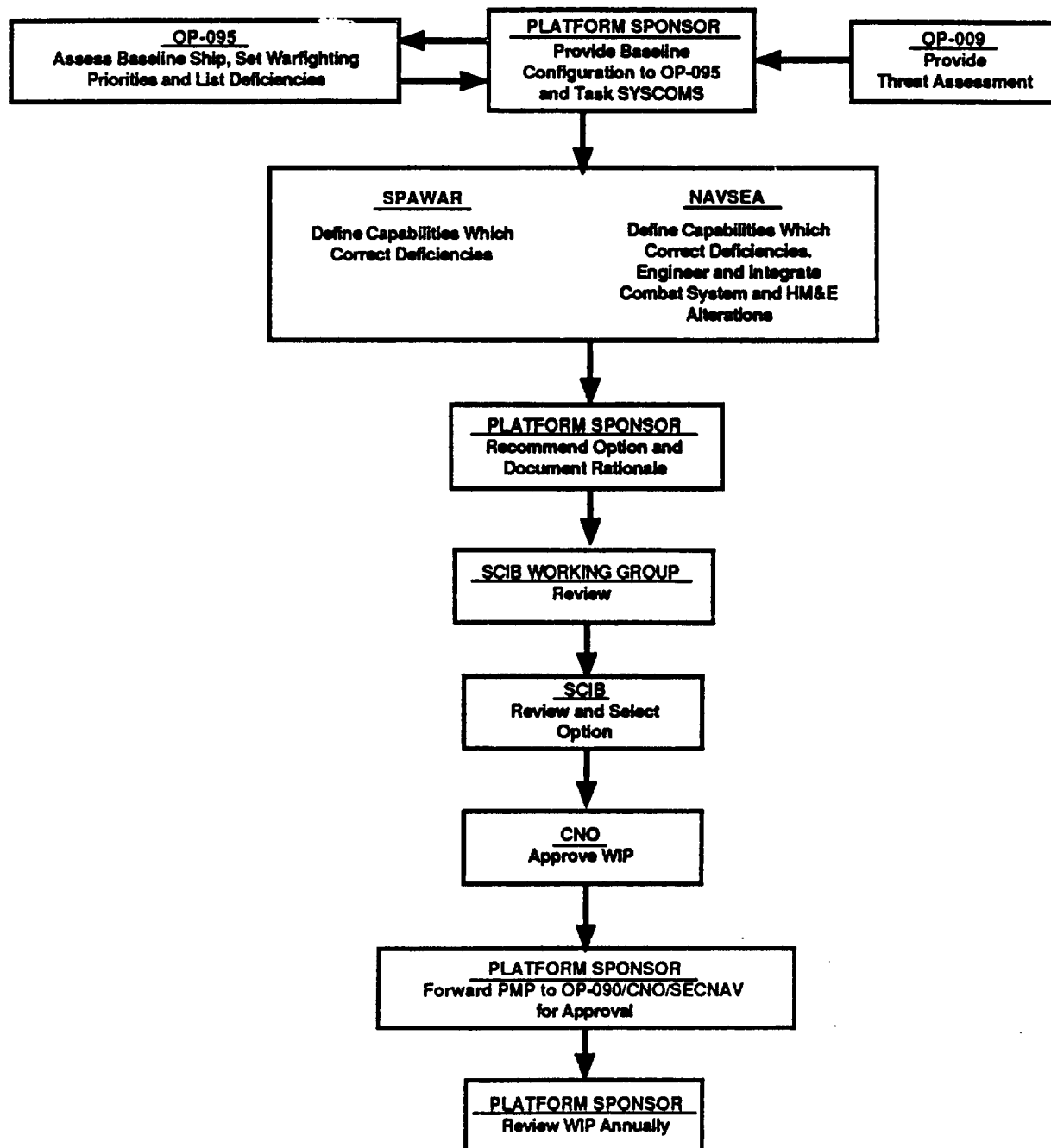
Appendix A - Combat System Alteration Briefs
Appendix B - HM&E Alteration Briefs
Appendix C - SSCSMP Excerpts and Combat System Block Diagrams*
Appendix D - OP-095 Appraisal/Deficiencies*
Appendix E - Threat (OP-009)*
Appendix F - Class Configuration (Baseline, WIP, Future)*
Appendix G - Class ROC/POE*
Appendix H - WIP SCIB Presentation*

* May be issued separately due to classification

Enclosure (1)

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WIP DEVELOPMENT AND APPROVAL



Enclosure (2)